#-1

DATE: 07/20/2001

TIME: 13:30:52

OIPE

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Output Set: N:\CRF3\07202001\I758525A.raw
      3 <110> APPLICANT: Wang, Peng G.
      4
              Chen, Xi
              Zhang, Wei
              Liu, Ziye
      8 <120> TITLE OF INVENTION: GLYCOCONJUGATE SYNTHESIS USING A PATHWAY-ENGINEERED
      q
              ORGANISM
     11 <130> FILE REFERENCE: 10114-6
                                                           ENTERED
     13 <140> CURRENT APPLICATION NUMBER: 09/758,525A
     14 <141> CURRENT FILING DATE: 2001-01-10
     16 <160> NUMBER OF SEQ ID NOS: 23
     18 <170> SOFTWARE: PatentIn Ver. 2.1
     20 <210> SEQ ID NO: 1
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     22 <212> TYPE: PRT
     23 <213> ORGANISM: Artificial Sequence
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     26 <223> OTHER INFORMATION: Description of Artificial Sequence:
              Nucleotide-binding-protein motif. Xaa represents
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    28
              any amino acid.
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W--> 31 Gly Xaa Xaa Gly Xaa Xaa Gly
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    37 <212> TYPE: DNA
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    52 <220> FEATURE:
    53 <223> OTHER INFORMATION: Description of Artificial Sequence: galk primer
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    64 <220> FEATURE:
    65 <223> OTHER INFORMATION: Description of Artificial Sequence: galT primer
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RAW SEQUENCE LISTING

Input Set : A:\10114-6.app

PATENT APPLICATION: US/09/758,525A

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Input Set : A:\10114-6.app

Output Set: N:\CRF3\07202001\1758525A.raw

- 72 <211> LENGTH: 27
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- 76 <220> FEATURE:
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- 79 <400> SEQUENCE: 5
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  - 2 4010s dea to to
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- 84 <211> LENGTH: 29
- 85 <212> TYPE: DNA
- 86 <213> ORGANISM: Artificial Sequence
- 88 <220> FEATURE:
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- 95 <210> SEQ ID NO: 7
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- 97 <212> TYPE: DNA
- 98 <213> ORGANISM: Artificial Sequence
- 100 <220> FEATURE:
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- 107 <210> SEQ ID NO: 8
- 108 <211> LENGTH: 35
- 109 <212> TYPE: DNA
- 110 <213> ORGANISM: Artificial Sequence
- 112 <220> FEATURE:
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- 115 <400> SEQUENCE: 8
- 116 ggatccatat gaaaaagacc aaaattgttt gcacc
- 119 <210> SEQ ID NO: 9
- 120 <211> LENGTH: 36
- 121 <212> TYPE: DNA
- 122 <213> ORGANISM: Artificial Sequence
- 124 <220> FEATURE:
- 125 <223> OTHER INFORMATION: Description of Artificial Sequence: PykF primer
- 127 <400> SEQUENCE: 9
- 128 cgcggatcca ctagtttaca ggacgtgaac agatgc 36
- 131 <210> SEO ID NO: 10
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- 134 <213> ORGANISM: Artificial Sequence
- 136 <220> FEATURE:
- 137 <223> OTHER INFORMATION: Description of Artificial Sequence: galU N primer
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- 140 ccggatatcc cgcgggtcga caataatttt gtttaacttt aagaagg
- 143 <210> SEQ ID NO: 11
- 144 <211> LENGTH: 43

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Input Set : A:\10114-6.app

Output Set: N:\CRF3\07202001\I758525A.raw

- 145 <212> TYPE: DNA
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- 148 <220> FEATURE:
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- 152 gcatcgatgg tctagaggat ccttacttct taatgcccat ctc 43
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- 156 <211> LENGTH: 49
- 157 <212> TYPE: DNA
- 158 <213> ORGANISM: Artificial Sequence
- 160 <220> FEATURE:
- 161 <223> OTHER INFORMATION: Description of Artificial Sequence: alpha1,3
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- 164 <400> SEQUENCE: 12
- 49 165 ggatccatat gactagtgat atcaataatt ttgtttaact ttaagaagg
- 168 <210> SEQ ID NO: 13
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- 170 <212> TYPE: DNA
- 171 <213> ORGANISM: Artificial Sequence
- 173 <220> FEATURE:
- 174 <223> OTHER INFORMATION: Description of Artificial Sequence: alpha1,3
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- 181 <210> SEQ ID NO: 14
- 182 <211> LENGTH: 41
- 183 <212> TYPE: DNA
- 184 <213> ORGANISM: Artificial Sequence
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- 187 <223> OTHER INFORMATION: Description of Artificial Sequence: GalKT-N
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- 190 <400> SEQUENCE: 14
- 191 tccccgcggc ccgggaataa ttttgtttaa ctttaagaag g
- 194 <210> SEQ ID NO: 15
- 195 <211> LENGTH: 30
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- 206 <210> SEQ ID NO: 16
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- 208 <212> TYPE: DNA
- 209 <213> ORGANISM: Artificial Sequence
- 211 <220> FEATURE:
- 212 <223> OTHER INFORMATION: Description of Artificial Sequence: IgtC primer
- 214 <400> SEQUENCE: 16
- 215 cggaattcat atggacatcg tatttgcg

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Input Set : A:\10114-6.app

Output Set: N:\CRF3\07202001\1758525A.raw

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290 <210> SEQ ID NO: 23

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RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/758,525A

Input Set : A:\10114-6.app

Output Set: N:\CRF3\07202001\I758525A.raw

- 291 <211> LENGTH: 27
- 292 <212> TYPE: DNA
- 293 <213> ORGANISM: Artificial Sequence
- 295 <220> FEATURE:
- 296 <223> OTHER INFORMATION: Description of Artificial Sequence: SusA-C primer
- 298 <400> SEQUENCE: 23
- 299 cgcggatcct taccgatatt tatgctg

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/758,525A

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Input Set : A:\10114-6.app

Output Set: N:\CRF3\07202001\I758525A.raw

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L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1